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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,253	07/09/2001	Michelle Zhao	03226.534001;P6053	8276
7590	01/05/2005			EXAMINER
Jonathan P Osha OSHA & MAY LLP 1221 McKinney Street Suite 2800 Houston, TX 77010				UNGAR, DANIEL M
			ART. UNIT	PAPER NUMBER
			2132	
			DATE MAILED: 01/05/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Offic Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/902,253	ZHAO, MICHELLE
	<b>Examiner</b>	<b>Art Unit</b>
	Daniel M. Ungar	2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 09 July 2001.  
 2a) This action is **FINAL**.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1-18 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-18 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 09 July 2001 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

**DETAILED OFFICE ACTION**

1. Claims 1-18 have been examined.

**SPECIFICATION**

2. The specification is objected to due to the following informality: Page 8, line 15: "mergiing" should read "merging".

**CLAIM REJECTIONS - 35 U.S.C. 102**

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –  
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Perlman, U.S. Patent Number 5,687,235.

4. Regarding claim 1, Perlman discloses a method of creating a digital CRL comprising determining a latest owned CRL stored by a CRL recipient (see column 8, lines 61-64); creating an incremental CRL (delta CRL) wherein status of at least one inactive criterion has changed since the latest owned CRL (see column 8, line 56 - column 9, line 8); and sending the delta CRL to the CRL recipient (see column 8, lines 64-66).

5. Regarding claim 2, Perlman discloses the request to include an indication of the latest owned CRL, determined by examining the request (see column 8, line 56 - column 9, line 8).

6. Regarding claim 9, Perlman discloses a method of creating a digital CRL comprising receivng a request for a CRL, the request including an indication of a latest owned CRL (see column 8, lines 61-64); creating an incremental CRL (delta CRL) wherein status of at least one inactive criterion has changed since the latest owned CRL (see column 8, line 56 - column 9, line 8); and sending the delta CRL to the CRL recipient (see column 8, lines 64-66).

7. With regard to claims 3 and 10, Perlman discloses the CRLs in his method to be consistent with X.509, which presents the ASN.1 format (see column 2, lines 59-62; ITU-T Recommendation X.509).
8. With regard to claims 4 and 11, Perlman discloses comparing entries in the latest owned CRL with a current CRL (see column 8, line 56 - column 9, line 8).
9. With regard to claims 5 and 12, Perlman discloses querying a database for entries spanning the latest owned CRL and a current CRL (see column 8, line 56 - column 9, line 8; column 6, lines 22-29, "RS accesses the CRL storage facility to retrieve selected revoked certificate numbers [...] based on parameters provided by that principal"; claims 1 and 11).
10. Regarding claims 6 and 13, Perlman discloses merging data from a plurality of delta CRLs spanning from the latest owned CRL to a current CRL (see column 8, line 56 - column 9, line 8; column 9, lines 18-32; claim 11).
11. Regarding claims 7 and 14, Perlman discloses applying a digital signature (see column 6, lines 54-56; claim 10).
12. Regarding claims 8 and 15, Perlman discloses creating a CRL via a programmed processor with instructions from an electronic storage medium (see column 5, lines 13-30 and lines 42-49).
13. With regard to claim 16, Perlman discloses sending the CRL as a reply over an electronic communication medium (see column 3, lines 29-37; abstract; claim 8).
14. With regard to claim 17, Perlman discloses a data structure stored on computer readable storage medium for a CRL (see column 5, lines 13-30) comprising a CRL identifier (see column 3, lines 45-48), wherein the CRL is formatted as a delta CRL (see column 8, line 56 - column 9, line 8). Regarding the limitation of a list of digital certificates representing changes to a CRL that have occurred since generation of at least two additional CRLs, Perlman cites the prior art

in which multiple (at least two) CRLs are generated progressively over the course of time (see column 3, lines 10-17). Perlman then proceeds to disclose his improvement to incorporate all changes from the latest owned CRL up to the current CRL, matching the updated state suggested by the prior art (see column 9, lines 18-32). Thus it is inherent that the delta CRL disclosed by Perlman represents changes to a CRL that have occurred since generation of at least two CRLs.

15. With regard to claim 18, Perlman discloses a serial number as an identifier (see column 3, lines 45-48), "serial" being defined as in the Merriam-Webster Dictionary: "appearing in successive parts or numbers", and in the Microsoft Computer Dictionary: "one by one".

#### **CONCLUSION**

16. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Moses et al., U.S. Patent Number 6,442,688, and Curry et al., U.S. Patent Number 6,128,740, disclose methods for updating CRLs from a latest owned CRL to a current CRL.

17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel M. Ungar whose telephone number is 571.272.7960. The examiner can normally be reached on 8:30 - 6:00 Monday - Thursday, Alt. Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571.272.3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit 2132

Daniel M. Ungar

*Gilberto Barron*  
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